

What is claimed is:

1. A sample analyzing system for analyzing a sample, comprising:

an analyzing unit for analyzing requested item of a measured sample;

an analysis related information database for holding analysis related information necessary for analyzing said sample;

a database manager for storing inputted said analysis related information into said analysis related information database and outputting information from said analysis related information database; and

a controller for controlling storing said analysis related information into said analysis related information database and outputting therefrom in a file format complete with a header defining a data item identifier for each data item.

2. The sample analyzing system according to claim 1, further comprising:

an on-line communication unit for exporting said analysis related information into a database in other computer connected outside to said system and importing said analysis related information from said other computer into said analysis related information database.

3. The sample analyzing system according to claim 2, wherein said on-line communication unit imports or exports said

analysis related information in a file format provided with  
a header defining a data item identifier for each data item.

4. The sample analyzing system according to claim 1, wherein  
5 said file format is XML format.

5. The sample analyzing system according to claim 1, wherein  
said file format is CSV format.

10 6. The sample analyzing system according to claim 1, further  
comprising:  
an editor for editing said analysis related information.

15 7. The sample analyzing system according to claim 1, further  
comprising:  
a display unit for displaying said analysis related  
information.

20 8. A sample analyzing system for analyzing a sample,  
comprising:

an analyzing unit for analyzing requested item of a  
measured sample;

25 an analysis related information database for holding  
analysis related information necessary for analyzing said  
sample;

a database manager for storing inputted said analysis  
related information into said analysis related information

database and outputting information from said analysis related information database; and

5 a controller for converting said analysis related information into a file format complete with a header defining a data item identifier for each data item when storing said analysis related information into said analysis related information database and outputting therefrom.

9. The sample analyzing system according to claim 8, further comprising:

10 an editor for editing said header of converted analysis related information as an item name.

10. The sample analyzing system according to claim 9, further comprising:

15 an I/O controller for controlling display of inputting and outputting screen accessing said analysis related information database according to the editing in said editor.

20 11. The sample analyzing system according to claim 8, further comprising:

25 an on-line communication unit for exporting said analysis related information into a database in other computer connected outside to said system and importing said analysis related information from said other computer into said analysis related information database.

12. The sample analyzing system according to claim 11, wherein said on-line communication unit imports or exports said analysis related information in a file format provided with a header defining a data item identifier for each data item.

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13. The sample analyzing system according to claim 8, wherein said converted file is described in XML format.

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14. The sample analyzing system according to claim 8, wherein said converted file is described in CSV format.

15. A sample analyzing system for analyzing a sample, comprising:

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an analyzing unit for analyzing requested item of a measured sample;

a first storage device for holding analysis related information necessary for analyzing said sample;

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a database manager for storing inputted said analysis related information into said first storage device and outputting information from said first storage device; and

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a backup recovery processor for backing up all or part of said analysis related information stored in said first storage device into a second storage device other than said first storage device, and, if necessary, restoring the backed up analysis related information in said second storage device into said first storage device.

16. The sample analyzing system according to claim 15, further comprising:

a controller for controlling storing said analysis related information into said first storage device and backing up thereof in said second storage device in a file format provided with a header defining a data item identifier for each data item.

17. The sample analyzing system according to claim 15, further comprising:

a controller for converting said analysis related information into a file format provided with a header defining a data item identifier for each data item when storing said analysis related information into said first storage device and outputting backing up thereof in said second storage device.

18. The sample analyzing system according to claim 15, further comprising:

a display unit for displaying a selecting screen for selecting target information to be backed up into said second storage device from information in said first storage device or target information to be restored into said first storage device from information in said second storage device.

19. The sample analyzing system according to claim 15, further comprising:

an online communication unit for connecting said first storage device and said second storage device with online

network.

20. The sample analyzing system according to claim 16, wherein said file format is XML format or CSV format.

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21. The sample analyzing system according to claim 17, wherein said file format is XML format or CSV format.